Drilling Logs of Government Core Drills 1980

compiled by
Ian MacDougall and D.E. Polley

Nova Scotia
Department of Mines
and Energy

PROVINCE OF NOVA SCOTIA

DEPARTMENT OF MINES AND ENERGY

Report 81-3

DRILLING LOGS

OF

GOVERNMENT CORE DRILLS

1980

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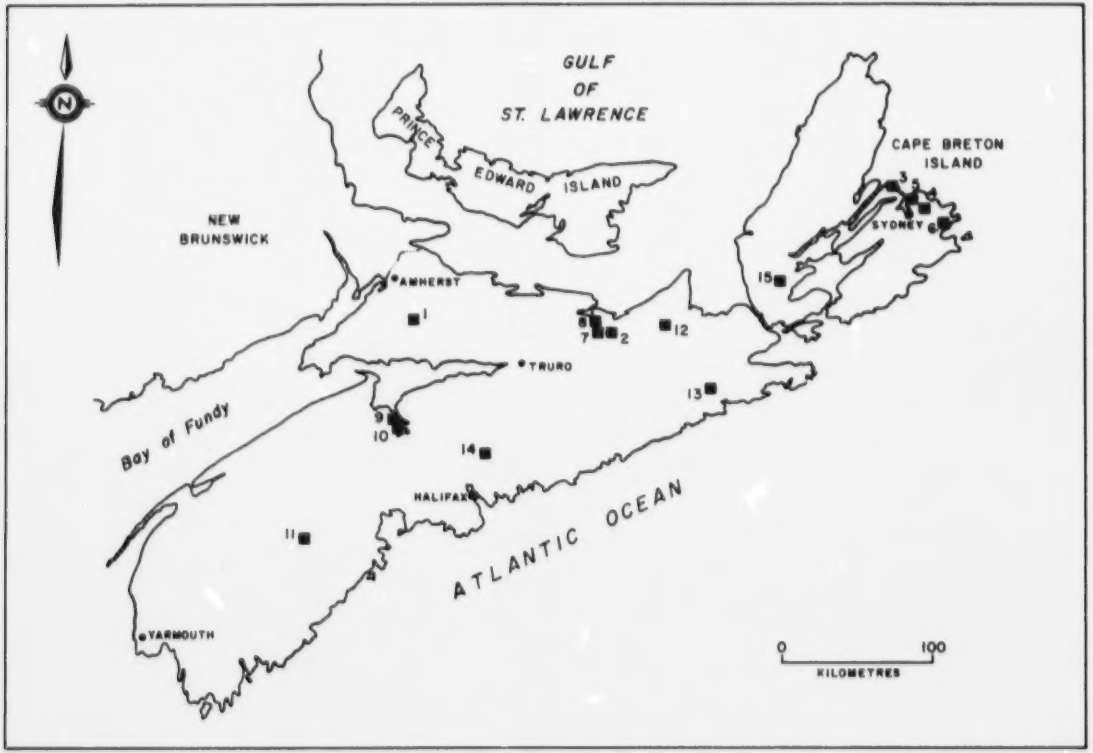
Ian MacDougall and D.E. Polley

Hon. Ronald Barkhouse, Minister

John J. Laffin, P. Eng., Deputy Minister

HALIFAX, N.S.

1981



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DRILLING LOGS OF GOVERNMENT CORE DRILLS

1980

Ian MacDougall[1] D. E. Polley[2]

During the calendar year 1980 the Department of Mines and Energy drills were used on a number of projects. These included coal, gypsum, gold, potash, uranium, base metals, structure for building purposes and testing overburden for a landfill dump site.

During 1980 some of the drillholes were logged in metric. The holes logged in metric in this report will be noted in the following way: Record No. 7208*.

Drills 17 and 20 were used on the coal survey in Springhill to drill 15 holes. This drilling was a continuation of work done the previous year. The purpose is to prove sufficient coal to open a new mine. A plan showing locations of holes is on file in the Department of Mines and Energy office in Stellarton. All holes are vertical (Fig. 1).

Record No. 7202

Borehole No. SH-17 is located by Map Reference 21H/9D, Tract 3, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	20.0	20.0
Shale and sandstone	146.0	166.0
Shale	20.0	186.0
Shale and sandstone	142.0	328.0
Coal and shale	7.0	335.0
Shale and sandstone, small bands of coal	31.0	366.0
Shale and sandstone	57.0	423.0

Record No. 7203

Borehole No. SH-18 is located by Map Reference 21H/9D, Tract 3, Claim D.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	20.0	20.0
Shale and sandstone	206.0	226.0
Clay, coal and shale	9.0	235.0
Shale and sandstone	51.0	286.0
Shale, seams of coal	40.0	326.0
Shale	77.0	403.0

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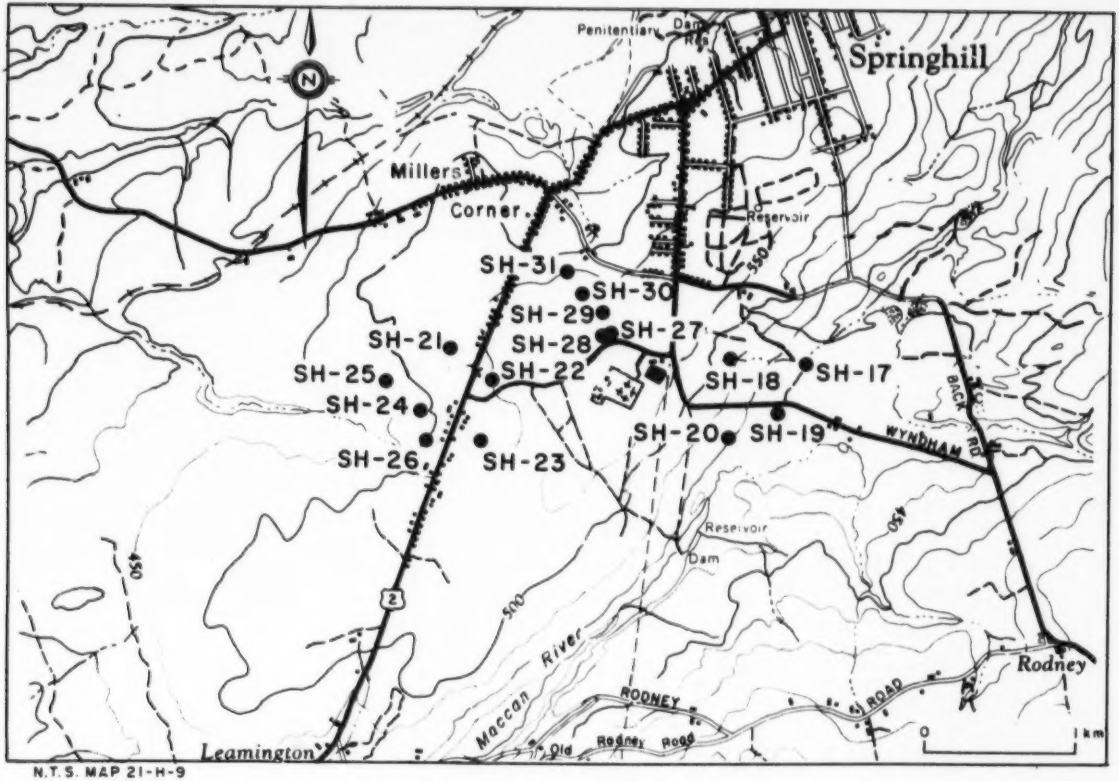


N.T.S. MAP 21-H-9

Figure 1. Springhill, Cumberland County.

Record No. 7204

Borehole No. SH-19 is located by Map Reference 21H/9A, Tract 99, Claim N.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.0	12.0
Shale, sandy	464.0	476.0
Shaly coal	3.0	479.0
Shale	57.0	536.0
Siltstone	164.0	700.0

Record No. 7205

Borehole No. SH-20 is located by Map Reference 21H/9A, Tract 99, Claim M.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	16.0	16.0
Shale	300.0	316.0
Shale and conglomerate	70.0	386.0
Shale	60.0	446.0
Siltstone	14.0	460.0

Rods were stuck in hole at 460 feet; could not get them out so started another hole near same location SH-20A.

Record No. 7206

Borehole No. SH-20A. Same Map Reference as SH-20.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	22.0	22.0
Triconed to 87 feet, no log	65.0	87.0
Shale and siltstone	210.0	297.0
Shale, siltstone and conglomerate	150.0	447.0
Siltstone	20.0	467.0
Shale	12.0	479.0
Coal	3.0	482.0
Siltstone	300.0	782.0

Record No. 7207

Borehole No. SH-21 is located by Map Reference 21H/9D, Tract 5, Claim A.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Shale and sandstone	9.0	15.0
Shale and clay	32.0	47.0
Shale	128.0	175.0
Shale and sandstone	62.0	237.0
Clay and shale	126.0	363.0
Shale	104.0	467.0
Coal	2.0	469.0
Shale, sandstone bands	78.0	547.0
Shale	225.0	772.0

Record No. 7208*

Borehole No. SH-22 is located by Map Reference 21H/9A, Tract 100, Claim N.

Strata	Thickness m	Total Depth m
Overburden	3.0	3.0
Sandstone and shale	96.4	99.4
Shale and sandstone	30.3	129.7
Coal	0.6	130.3
Shale	11.8	142.1
Coal	3.0	145.1
Shale and sandstone	14.3	159.4
Sandstone	10.0	169.4
Sandstone and shale	7.0	176.4
Coal	2.2	178.6
Sandstone and shale	15.2	193.8
Shale	6.4	200.2
Coal	2.2	202.4
Shale	15.4	217.8
Coal	1.8	219.6
Shale	6.0	225.6
Coal	1.9	227.5
Shale	5.5	233.0
Siltstone	11.1	244.1
Shale and sandstone	10.7	254.8

Record No. 7209

Borehole No. SH-23 is located by Map Reference 21H/9A, Tract 100, Claim M.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	20.0	20.0
Clay and sandstone	4.0	24.0
Sandstone and shale	42.0	66.0
Shale	60.0	126.0
Shale and sandstone	60.0	186.0
Shale	210.0	396.0
Shale and sandstone	100.0	496.0
Siltstone	120.0	616.0
Shale	42.0	658.0
Coal	3.0	661.0
Siltstone	95.0	756.0
Shale and sandstone	46.0	802.0

Record No. 7210*

Borehole No. SH-24 is located by Map Reference 21H/9A, Tract 101, Claim Q.

Strata	Thickness m	Total Depth m
Overburden	4.2	4.2
Sandstone	10.1	14.3
Sandstone and shale	57.9	72.2
Shale	64.0	136.2
Shale and sandstone	10.2	146.4
Coal	0.9	147.3
Shale and sandstone	79.2	226.5
Coal	3.0	229.5
Sandstone	10.4	239.9
Shale and sandstone	7.6	247.5
Coal	2.4	249.9
Shale and sandstone	11.3	261.2
Shale	4.0	265.2
Coal	1.8	267.0
Siltstone	18.6	285.6

Record No. 7211

Borehole No. SH-25 is located by Map Reference 21H/9A, Tract 101, Claim P.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	24.0	24.0
Shale	222.0	246.0
Shale and sandstone	260.0	506.0
Shale	10.0	516.0
Shale and sandstone	350.0	866.0
Shale	49.0	915.0
Coal	5.0	920.0
Shale	26.0	946.0
Siltstone	60.0	1006.0

Record No. 7212

Borehole No. SH-26 is located by Map Reference 21H/9A, Tract 101, Claim J.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Clay and sandstone	5.0	21.0
Shale, clay and sandstone	66.0	87.0
Shale	38.0	125.0
Coal	3.0	128.0
Sandstone and shale	49.0	177.0
Shale with sandstone bands	70.0	247.0
Shale	70.0	317.0
Shale and sandstone	566.0	883.0

Record No. 7213

Borehole No. SH-27 is located by Map Reference 21H/9D, Tract 4, Claim G.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	15.0	15.0
Clay and shale with small coal seam	61.0	76.0
Siltstone	33.0	109.0
Coal	7.0	116.0
Siltstone	74.0	190.0

Record No. 7214

Borehole No. SH-28 is located by Map Reference 21H/9D, Tract 4, Claim G.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Sandstone	7.0	17.0
Shale and sandstone	20.0	37.0
Coal	3.0	40.0
Shale and sandstone	100.0	140.0
Coal	7.0	147.0
Shale	10.0	157.0
Shale and sandstone	48.0	205.0
Coal	7.0	212.0
Shale	21.0	233.0

Record No. 7215

Borehole No. SH-29 is located by Map Reference 21H/9D, Tract 4, Claim F.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Sandstone	6.0	12.0
Shale and sandstone	33.0	45.0
Coal	5.0	50.0
Shale	14.0	64.0
Coal	1.0	65.0
Shale and sandstone	22.0	87.0
Shale	27.0	114.0
Coal	6.0	120.0
Shale and sandstone	33.0	153.0

Record No. 7216

Borehole No. SH-30 is located by Map Reference 21H/9D, Tract 4, Claim F.

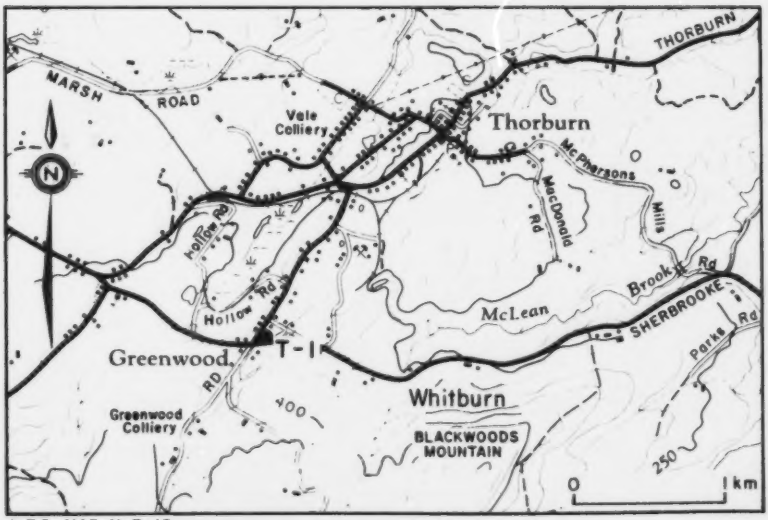
Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.0	12.0
Shale and sandstone	47.0	59.0
Shale	60.0	119.0
Coal	8.0	127.0
Siltstone	93.0	220.0

Record No. 7217

Borehole No. SH-31 is located by Map Reference 21H/9D, Tract 4, Claim F.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.0	12.0
Sandstone	11.0	23.0
Shale and sandstone	97.0	120.0
Coal	5.0	125.0
Shale and sandstone	31.0	156.0
Shale	60.0	216.0
Shale and sandstone	110.0	326.0
Shale	124.0	450.0

Diamond Drill No. 20 was used to drill a hole in Thorburn, Pictou County, on the Coal Inventory Survey. The drilling was done from April 8 to April 23, 1980. The purpose of drilling was to test a block of coal on the west side of the McBean mine slope. The hole is vertical and is located by Map Reference 11E/10A, Tract 46, Claim N. The surveyed location is on file in Department of Mines and Energy office in Stellarton (Fig. 2).



N.T.S. MAP 11-E-10

Figure 2. Thorburn, Pictou County.

Record No. 7218*

Borehole No. T-1.

Strata	Thickness m	Total Depth m
Overburden	8.6	8.6
Sandstone and shale	20.7	29.3
Shale	7.5	36.8
Sandstone	12.7	49.5
Shale, sandstone bands	43.2	92.7
Coal, very dirty	1.0	93.7
Shale	4.4	98.1
Sandstone	11.8	109.9
Shale	2.6	112.5
Conglomerate	2.3	114.8
Shale and sandstone	9.4	154.2
Sandstone	10.0	164.2
Shale coaly	6.2	170.4
Siltstone	1.6	172.0
Shale and sandstone	17.6	189.6
Shale, black, minor coal bands	1.7	191.3
Shale and sandstone	7.7	199.0

Diamond Drills Nos. 16 and 19 were used on the Coal Inventory Survey in Sydney Mines and Alder Point area from January 28 to April 14, 1980. There were 12 holes drilled. The purpose of drilling was to find a suitable area for a strip mining operation. All holes are vertical and a plan showing surveyed locations is on file in the Department of Mines and Energy office in Stellarton (Fig. 3).

Record No. 7219

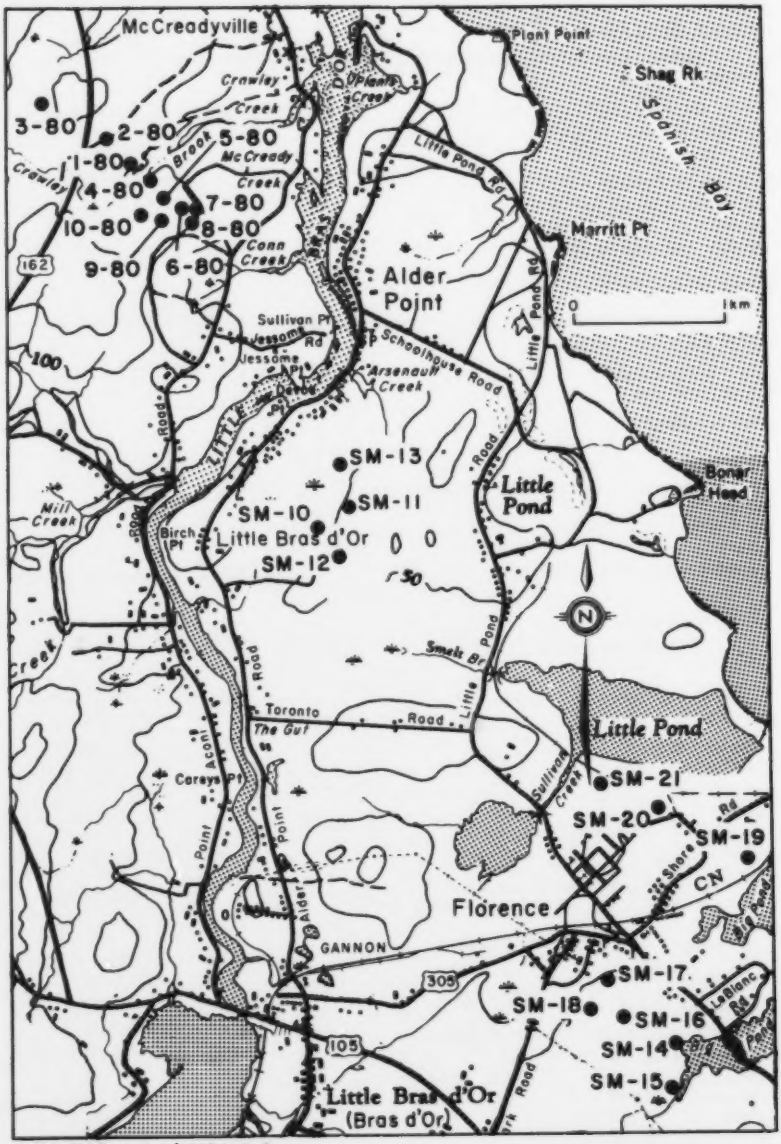
Borehole No. SM-10 is located by Map Reference 11K/8B, Tract 26, Claim D.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Shale and sandstone	148.0	158.0

Record No. 7220

Borehole No. SM-11 is located by Map Reference 11K/8B, Tract 26, Claim F.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	15.5	15.5
Siltstone	10.5	26.0
Coal	0.3	26.3
Siltstone	23.0	49.3
Coal	0.7	50.0
Mudstone and siltstone	21.2	71.2
Sandstone, mudstone and siltstone	112.5	183.7
Coal	1.9	185.6
Siltstone and sandstone	26.4	212.0



N.T.S. MAP 11-K-1/ MAP 11-K-8

Figure 3. Sydney Mines, Alder Point and Point Aconi areas, Cape Breton County.

Record No. 7221

Borehole No. SM-12 is located by Map Reference 11K/8B, Tract 26, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Shale and sandstone	107.0	117.0
Shale	2.0	119.0
Coal	4.0	123.0
Shale and sandstone	24.0	147.0

Record No. 7222

Borehole No. SM-13 is located by Map Reference 11K/8B, Tract 26, Claim E.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.0	12.0
Mudstone	4.7	16.7
Siltstone	34.7	51.4
Sandstone, siltstone and mudstone	82.2	134.6
Coal	0.8	135.4
Siltstone and sandstone	7.5	142.9
Coal	1.9	144.8
Sandstone and siltstone	18.2	163.0

Record No. 7223

Borehole No. SM-14 is located by Map Reference 11K/8B, Tract 1, Claim B.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Shale	47.0	57.0
Sandstone	39.0	96.0
Coal	5.0	101.0
Shale and sandstone	18.0	119.0

Record No. 7224

Borehole No. SM-15 is located by Map Reference 11K/1C, Tract 97, Claim P.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	13.0	13.0
Siltstone, sandstone and mudstone	56.6	69.6
Shaly coal	0.7	70.3
Coal	2.0	72.3
Coaly black mud	0.2	72.5
Coal	1.8	74.3
Mudstone and siltstone	7.7	92.0

Record No. 7225

Borehole No. SM-16 is located by Map Reference 11K/8B, Tract 1, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	17.0	17.0
Shale	70.0	87.0
Sandstone	28.0	115.0
Coal	5.0	120.0
Shale	20.0	140.0

Record No. 7226

Borehole No. SM-17 is located by Map Reference 11K/8B, Tract 1, Claim F.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	13.0	13.0
Mudstone, siltstone and sandstone	98.3	111.3
Shaly coal	0.6	111.9
Coal	2.9	114.8
Mudstone	0.2	115.0
Coaly shale and mud	0.3	115.3
Coal	1.7	117.0
Mudstone, siltstone and sandstone	15.0	132.0

Record No. 7227

Borehole No. SM-18 is located by Map Reference 11K/8B, Tract 1, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.4	12.4
Sandstone, siltstone and mudstone	35.3	47.7
Mudstone with soft black coaly mud the last 2"	2.4	50.1

Record No. 7228

Borehole No. SM-19 is located by Map Reference 11K/8B, Tract 1, Claim Q.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	14.0	14.0
Sandstone and siltstone	8.0	22.0
Coal	6.0	28.0
Siltstone and sandstone	23.0	51.0

Record No. 7229

Borehole No. SM-20 is located by Map Reference 11K/8B, Tract 24, Claim B.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	16.0	16.0
Siltstone	10.0	26.0
Siltstone and sandstone	49.0	75.0
Coal	5.0	80.0
Mostly sandstone	11.0	91.0

Record No. 7230

Borehole No. SM-21 is located by Map Reference 11K/8B, Tract 24, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	12.0	12.0
Sandstone and siltstone	63.0	75.0
Coal	5.0	80.0
Siltstone	20.0	100.0

Diamond Drill Nos. 16 and 20 were used by Novaco to drill 10 holes in the Point Aconi area, Cape Breton County. The purpose of drilling was to test the coal seam for their strip mining operation. All holes are vertical (Fig. 3).

Record No. 7231

Borehole No. 1-80 is located by Map Reference 11K/8B, Tract 46, Claim O.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	4.0	4.0
Sandstone	6.0	10.0
Sandstone and shale	70.0	80.0
Coal	4.0	84.0
Shale	19.0	103.0

Record No. 7232

Borehole No. 2-80 is located by Map Reference 11K/8B, Tract 46, Claim O.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Shale	46.0	56.0
Sandy shale	62.0	118.0
Coal	4.0	122.0
Shale	20.0	142.0

Record No. 7233*

Borehole No. 3-80 is located by Map Reference 11K/8B, Tract 51, Claim D.

Strata	Thickness m	Total Depth m
Overburden	2.0	2.0
Muddy shale	4.0	6.0
Shale	9.0	15.0
Sandstone	9.0	24.0
Shale	1.3	25.3
Coal	0.7	26.0
Shale	4.5	30.5
Sandstone	0.5	31.0

Record No. 7234*

Borehole No. 4-80 is located by Map Reference 11K/8B, Tract 46, Claim L.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Sandstone	18.0	22.0

Drilled into old workings at 16 m.

Record No. 7235*

Borehole No. 5-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Sandstone and shale	11.0	15.0
Coal	1.0	16.0
Shale	6.0	22.0

Record No. 7236*

Borehole No. 6-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	13.0	17.0
Coal	1.0	18.0
Shale	7.0	25.0

Record No. 7237*

Borehole No. 7-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale and sandstone	7.0	11.0
Shale	5.5	16.5
Coal	1.0	17.5
Shale	7.5	25.0

Record No. 7238*

Borehole No. 8-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale and sandstone	7.0	11.0
Coal	1.0	12.0
Shale	5.0	17.0

Record No. 7239*

Borehole No. 9-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	9.0	13.0

Hit old workings at 8 m.

Record No. 7240*

Borehole No. 10-80 is located by Map Reference 11K/8B, Tract 46, Claim K.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	9.0	13.0
Coal	1.0	14.0
Shale	5.0	19.0

Diamond Drills Nos. 16 and 20 were used on the Coal Inventory Survey in Cape Breton. The drilling was done in Reserve Mines area listed under Glace Bay; Victoria Mines area listed under New Waterford; and Birch Grove area listed under Port Morien. This drilling was a follow-up to work done the previous years. The purpose was to find suitable areas for strip mining. All holes are vertical. Surveyed plans of holes are on file in Department of Mines and Energy office in Stellarton.

Reserve Mines area: all holes are located on Map sheet 11K/1D (Fig. 4).

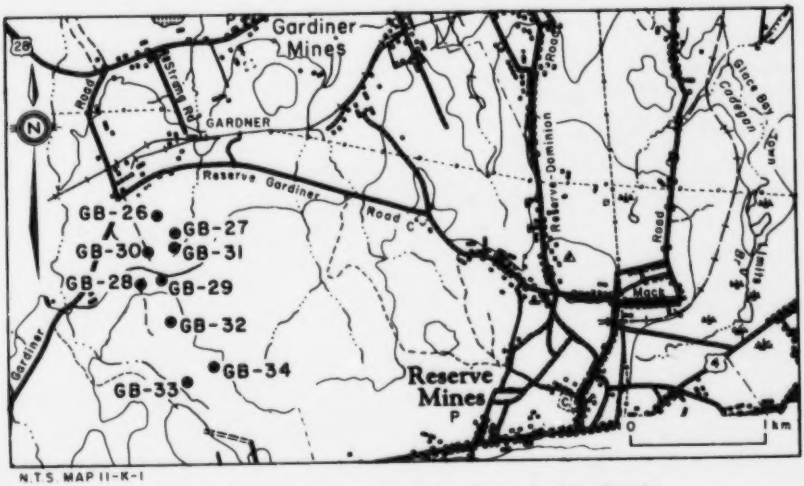


Figure 4. Reserve Mines area, Cape Breton County.

Record No. 7241

Borehole No. GB-26 is in Tract 70, Claim D.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Muddy shale and sandstone	6.0	12.0
Shale and clay	4.0	16.0
Coal	1.0	17.0
Clay and shale	10.0	27.0
Shale	12.0	39.0
Coal	3.0	42.0
Shale and sandstone	10.0	52.0

Record No. 7242*

Borehole No. GB-27 is in Tract 51, Claim D.

Strata	Thickness m	Total Depth m
Overburden	4.7	4.7
Shaly sandstone	10.3	15.0
Coal	1.3	16.3
Shale	0.7	17.0

Record No. 7243*

Borehole No. GB-28 is in Tract 51, Claim M.

Strata	Thickness m	Total Depth m
Overburden	4.7	4.7
Shale and sandstone	2.0	6.7
Coal	1.3	8.0
Shale and sandstone	5.0	13.0

Record No. 7244*

Borehole No. GB-29 is in Tract 51, Claim M.

Strata	Thickness m	Total Depth m
Overburden	1.0	1.0
Rotten sandstone	3.0	4.0
Sandstone	0.7	4.7
Shale	5.0	9.7
Coal	1.3	11.0
Shale	5.0	16.0

Record No. 7245*

Borehole No. GB-30 is in Tract 51, Claim N.

Strata	Thickness m	Total Depth m
Overburden	1.0	1.0
Sandstone	4.0	5.0
Shale	2.5	7.5
Coal	1.3	8.8
Shale	3.9	12.7

Record No. 7246*

Borehole No. GB-31 is in Tract 51, Claim N.

Strata	Thickness m	Total Depth m
Overburden	4.7	4.7
Shale	9.3	14.0
Coal	1.5	15.5
Shale	1.8	17.3

Record No. 7247*

Borehole No. GB-32 is in Tract 51, Claim M.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	13.0	17.0

Record No. 7248

Borehole No. GB-33 is in Tract 51, Claim D.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	14.0	14.0
Sandstone and shale	51.0	65.0

Record No. 7249

Borehole No. GB-34 is in Tract 51, Claim F.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	14.0	14.0
Sandy shale	16.0	30.0
Coal	3.0	33.0
Sandy shale	19.0	52.0

Victoria Mines: all holes located on Map sheet 11K/1D (Fig. 5).

Record No. 7250*

Borehole No. NW-11 is in Tract 89, Claim Q.

Strata	Thickness m	Total Depth m
Overburden	3.3	3.3
Sandstone	7.7	11.0
Sandstone and shale	9.5	20.5
Coal	2.0	22.5
Clay, shale and sandstone	5.3	27.8

Record No. 7251*

Borehole No. NW-12 is in Tract 89, Claim P.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Sandstone and shale	19.4	23.0
Coal	1.8	24.8
Sandstone	6.0	30.8

Record No. 7252*

Borehole No. NW-13 is in Tract 89, Claim Q.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Sandstone	10.7	14.3
Coal	2.0	16.3
Clay, shale and sandstone	5.5	21.8

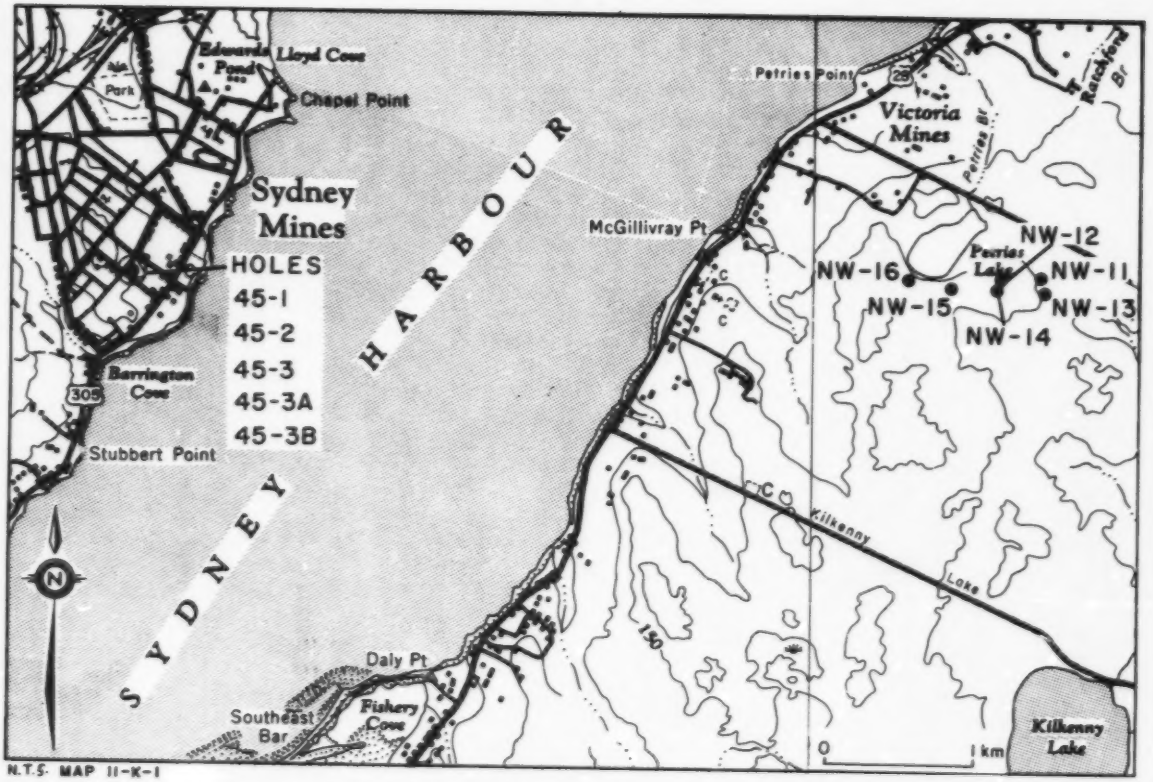


Figure 5. Victoria Mines, Cape Breton County.

Record No. 7253*

Borehole No. NW-14 is in Tract 89, Claim P.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Shale and sandstone	7.4	11.0
Coal	1.8	12.8
Sandstone	6.0	18.8

Record No. 7254*

Borehole No. NW-15 is in Tract 89, Claim P.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Sandstone and shale	40.4	44.0

Record No. 7255*

Borehole No. NW-16 is in Tract 89, Claim O.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Shale and sandstone	12.8	16.4
Coal	1.5	17.9
Shale and sandstone	6.9	24.8

Port Morien area: All holes located on Map sheet 11J/4B (Fig. 6).

Record No. 7256*

Borehole No. PM-41 is in Tract 106, Claim F.

Strata	Thickness m	Total Depth m
Overburden	6.0	6.0
Shale	29.0	35.0
Coal	1.0	36.0
Shale	5.0	41.0

Record No. 7257*

Borehole No. PM-42 is in Tract 106, Claim C.

Strata	Thickness m	Total Depth m
Overburden	3.0	3.0
Shale	11.0	14.0
Coal	1.2	15.2
Shale	6.6	21.8

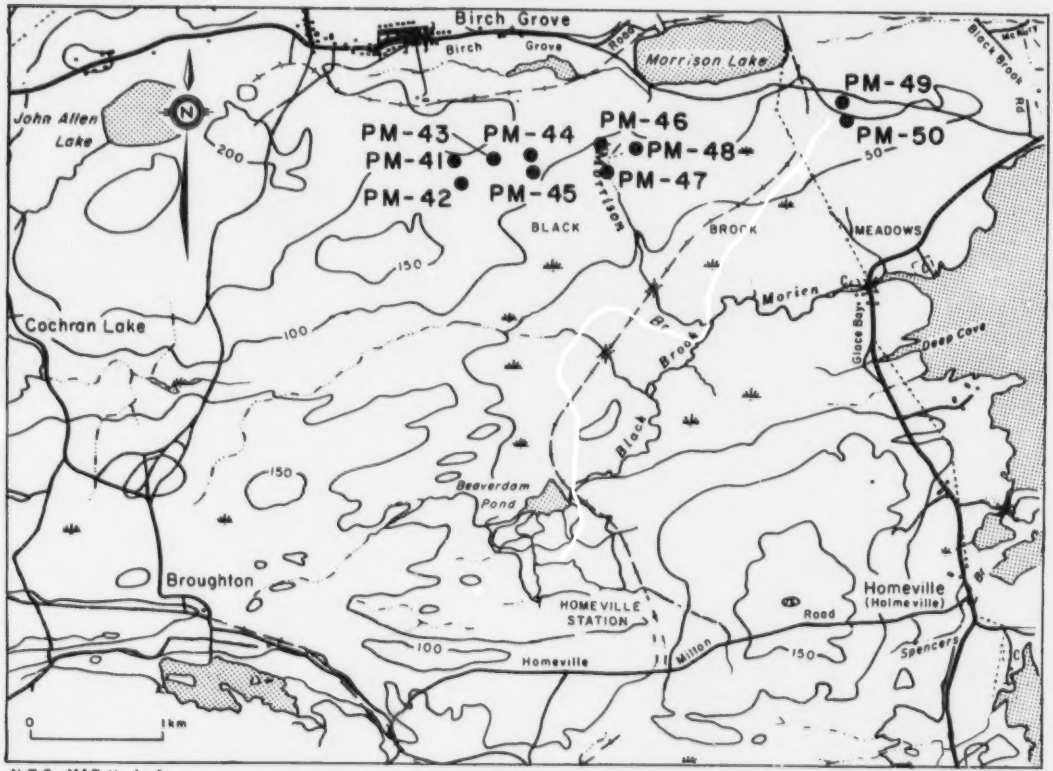


Figure 6. Port Morien area, Cape Breton County.

Record No. 7258*

Borehole No. PM-43 is in Tract 106, Claim G.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	23.0	27.0
Coal	1.0	28.0
Shale	6.0	34.0

Record No. 7259*

Borehole No. PM-44 is in Tract 106, Claim H.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale and sandstone	19.0	23.0
Shale	10.0	33.0
Coal	1.0	34.0
Shale	6.0	40.0

Record No. 7260*

Borehole No. PM-45 is in Tract 106, Claim A.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Shale	11.0	15.0
Coal	1.0	16.0
Shale	6.0	22.0

Record No. 7261*

Borehole No. PM-46 is in Tract 105, Claim E.

Strata	Thickness m	Total Depth m
Overburden	3.9	3.9
Shale and sandstone	32.9	36.8
Coal	0.6	37.4
Shale and sandstone	5.4	42.8

Record No. 7262*

Borehole No. PM-47 is in Tract 105, Claim D.

Strata	Thickness m	Total Depth m
Overburden	5.1	5.1
Sandstone	2.9	8.0
Shale	5.1	13.1
Coal	0.9	14.0
Sandstone and shale	7.8	21.8

Record No. 7263*

Borehole No. PM-48 is in Tract 105, Claim F.

Strata	Thickness m	Total Depth m
Overburden	4.0	4.0
Sandy shale	32.0	36.0
Coal	1.0	37.0
Shale	6.0	43.0

Record No. 7264*

Borehole No. PM-49 is in Tract 104, Claim M.

Strata	Thickness m	Total Depth m
Overburden	3.6	3.6
Shale and sandstone	30.5	34.1
Coal	0.9	35.0
Shale and sandstone	5.3	40.3

Record No. 7265*

Borehole No. PM-50 is in Tract 104, Claim E.

Strata	Thickness m	Total Depth m
Overburden	4.6	4.6
Grey mudstone	0.5	5.1
Coal	0.1	5.2
Grey mudstone and siltstone	12.8	18.0

Diamond Drill No. 5 was used by Thorburn Mining Ltd. to do split-tube sampling on the Allan Coal Dump in Stellarton. The work was done between May 12 and May 16, 1980. The purpose was to test the south end that had not been sampled previously. All holes are located by Map Reference 11E/10A, Tract 65, Claim D. All measurements were done in metric (Fig. 7).

Record No. 7266*

Borehole No. 1.

Strata	Thickness m	Total Depth m
Dump material	6.25	6.25
Clay	0.25	6.50

Record No. 7267*

Borehole No. 2.

Strata	Thickness m	Total Depth m
Dump material	9.50	9.50

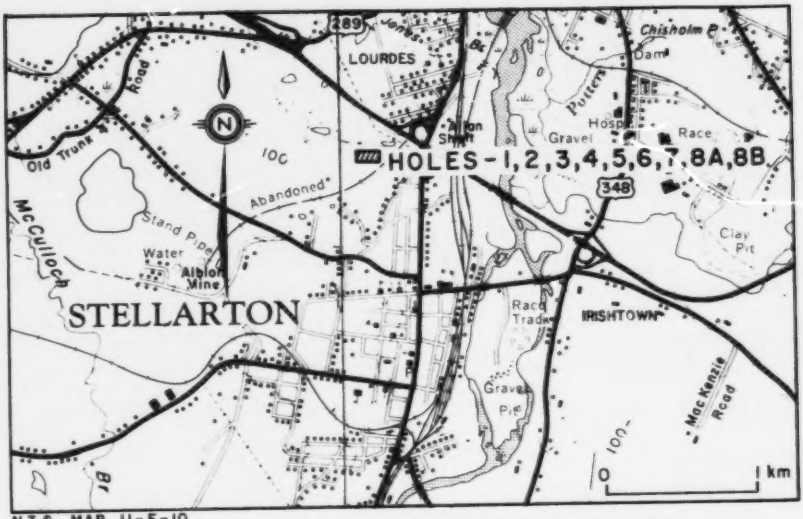


Figure 7. Allan coal dump, Stellarton, Pictou County.

Record No. 7268*

Borehole No. 3.

Strata	Thickness m	Total Depth m
Dump material	5.0	5.0

Record No. 7269*

Borehole No. 4.

Strata	Thickness m	Total Depth m
Dump material	5.0	5.0

Record No.7270*

Borehole No. 5.

Strata	Thickness m	Total Depth m
Dump material	6.0	6.0

Record No. 7271*

Borehole No. 6.

Strata	Thickness m	Total Depth m
Dump material	5.0	5.0

Record No. 7272*

Borehole No. 7.

Strata	Thickness m	Total Depth m
Dump material	4.5	4.5

Record No. 7273*

Borehole No. 8A.

Strata	Thickness m	Total Depth m
Dump material	1.2	1.2

Record No. 7274*

Borehole No. 8B.

Strata	Thickness m	Total Depth m
Dump material	4.0	4.0

Diamond Drill No. 5 was hired by the Nova Scotia Power Corporation to put some test holes in a coal stock pile at the generator station in Trenton, Pictou County. The work was done from March 26 to March 31, 1980. The purpose was for analyses. All holes are located by Map Reference 11E/10A, Tract 104, Claim J (Fig. 8).

Record No. 7275

Borehole No. 1.

Strata	Thickness Ft.	Total Depth Ft.
Coal	15.0	15.0
Ashes and coal	16.0	31.0

Record No. 7276

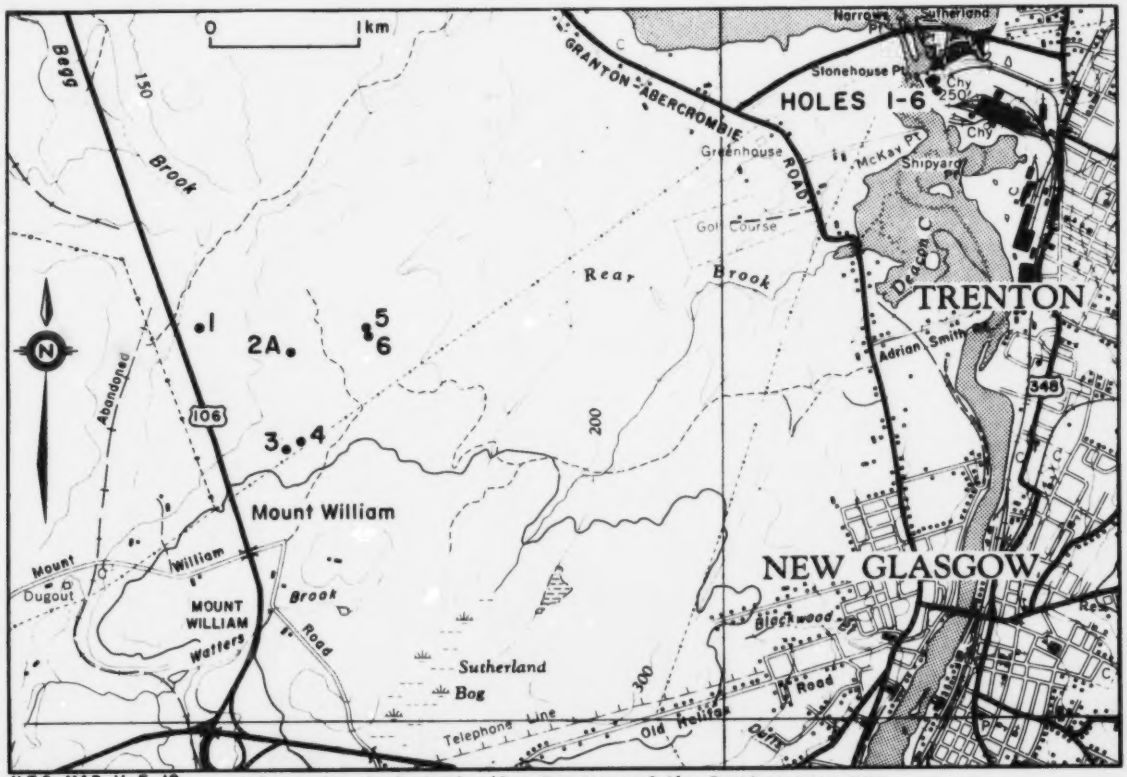
Borehole No. 2.

Strata	Thickness Ft.	Total Depth Ft.
Coal	30.0	30.0

Record No. 7277

Borehole No. 3.

Strata	Thickness Ft.	Total Depth Ft.
Coal	31.0	31.0
Clay	1.0	32.0



N.T.S. MAP 11-E-10

Figure 8. Coal stock pile, Trenton and the Granton area near Mount William, Pictou County.

Record No. 7278

Borehole No. 4.

Strata	Thickness Ft.	Total Depth Ft.
Coal	19.0	19.0
Clay	1.0	20.0

Record No. 7279

Borehole No. 5.

Strata	Thickness Ft.	Total Depth Ft.
Coal	18.0	18.0
Clay	2.0	20.0

Record No. 7280

Borehole No. 6.

Strata	Thickness Ft.	Total Depth Ft.
Coal	17.0	17.0
Clay	1.0	18.0

Diamond Drill No. 20 was hired by Jacques Whitford and Associates Ltd. from July 10 to August 19 to drill in Sydney Mines. The purpose of drilling was to test the rock structure and check for old mine workings under a site where they had plans to build a new hospital. The holes are vertical and located on Map sheet 11K/6D, Tract 86, Claim O (Fig. 5).

Record No. 7281

Borehole No. 45-1.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, sand	8.0	8.0
Shale	18.0	26.0
Shale and sandstone	280.0	306.0
Shale	66.0	372.0
Old workings	7.0	379.0
Shale	2.0	381.0

Record No. 7282

Borehole No. 45-2.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Shale	221.0	227.0
Shale and sandstone	100.0	327.0
Shale	64.0	391.0
Old workings	7.0	398.0
Shale	6.0	404.0

Record No. 7283

Borehole No. 45-3.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Shale and sandstone	271.0	277.0
Shale	60.0	337.0

Broke rods off in hole, abandoned hole and started a new one.

Record No. 7284*

Borehole No. 45-3A.

Strata	Thickness m	Total Depth m
Overburden	1.5	1.5
Shale	67.4	68.9

Broke rods off again in this hole and had to abandon and start another one.

Record No. 7285*

Borehole No. 45-3B.

Strata	Thickness m	Total Depth m
Overburden	3.7	3.7
Shale	16.7	20.4
Sandstone and shale	20.6	41.0
Shale	15.0	56.0
Shale and sandstone	58.0	113.0
Coal	1.6	114.6
Shale	1.4	116.0

Diamond Drill No. 19 was hired by Beasy Nicoll Engineering Ltd. to drill six holes in the Granton area near Mount William, Pictou County. The purpose of drilling was to test the overburden for a landfill dump site. The work was done between July 29 and August 7, 1980. All holes are vertical and are located on Map sheet 11E/10A (Fig. 8).

Record No. 7286

Borehole No. 1 is in Tract 86, Claim J.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, sand and clay	17.0	17.0
Shale, grey	1.0	18.0

Record No. 7287

Borehole No. 2A is in Tract 87, Claim L.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, sand, clay and boulders	13.0	13.0
Sandstone, grey	1.0	14.0

Record No. 7288

Borehole No. 3 is in Tract 87, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, clay, sand and boulders	26.0	26.0
Sandstone, shale and conglomerate	12.0	38.0
Sandy shale, grey and red	40.0	78.0

Record No. 7289

Borehole No. 4 is in Tract 87, Claim C.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, clay and sand	20.0	20.0

Record No. 7290

Borehole No. 5 is in Tract 87, Claim K.

Strata	Thickness Ft.	Total Depth Ft.
Overburden, clay, sand and boulders	17.0	17.0
Sandstone	11.0	28.0
Sandstone and shale	40.0	68.0

Record No. 7291

Borehole No. 6 is found in Tract 87, Claim K.

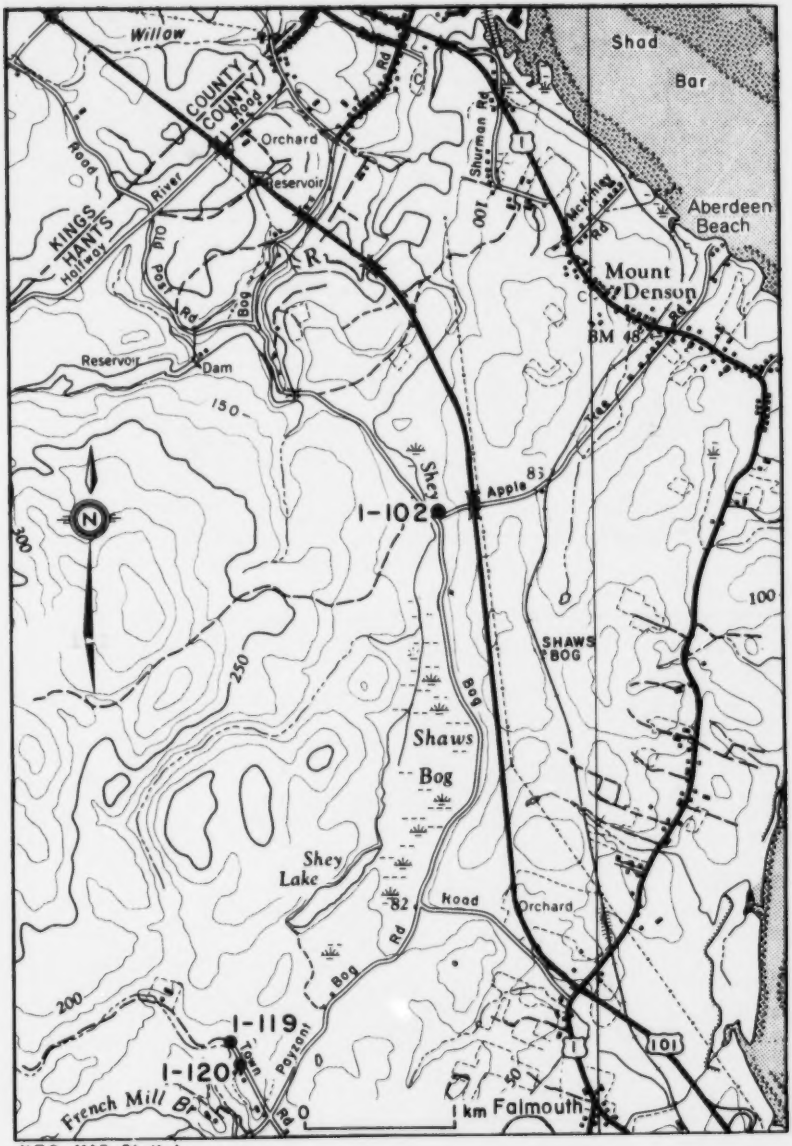
Strata	Thickness Ft.	Total Depth Ft.
Overburden, clay and sand	15.0	15.0
Shale, grey	1.0	16.0

Diamond Drill No. 15 was hired by Maritime Drilling Ltd. from October 17 to October 30 to drill five holes near Windsor, Hants County. The drilling was done for Saarberg Interplan Canada Ltd. The purpose of drilling was for uranium. All holes are vertical (Figs. 9 and 10).

Record No. 7292

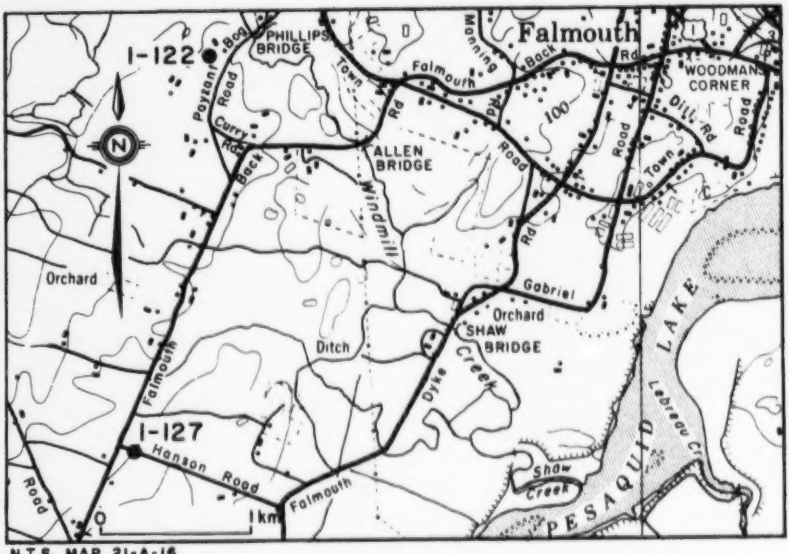
Borehole No. 1-119 is located by Map Reference 21H/1A, Tract 10, Claim G.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	6.0	6.0
Sandstone, brown, rotten	114.0	120.0
Sandstone and shale	347.0	467.0
Shale	10.0	477.0



N.T.S. MAP 21-H-1

Figure 9. Windsor area, Hants County.



N.T.S. MAP 21-A-16

Figure 10. Windsor area, Hants County.

Record No. 7293

Borehole No. 1-120 is located by Map Reference 21H/1A, Tract 10, Claim G.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	33.0	33.0
Rhyolite, purple (possible boulder)	7.0	40.0
Anhydrite, grey	237.0	277.0
Shale and sandstone, red and grey	180.0	457.0
Shale, grey and black	85.0	542.0

Record No. 7294

Borehole No. 1-102 is located by Map Reference 21H/1A, Tract 33, Claim L.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	60.0	60.0
Shale, grey, black and red	47.0	107.0
Conglomerate, grey and brown	110.0	217.0
Siltstone and shale, black, grey and red	100.0	317.0
Sandstone, grey	20.0	337.0
Sandstone and shale, black and grey	120.0	457.0
Shale, black	40.0	497.0

Record No. 7295

Borehole No. 1-122 is located by Map Reference 21A/16D, Tract 106, Claim O.

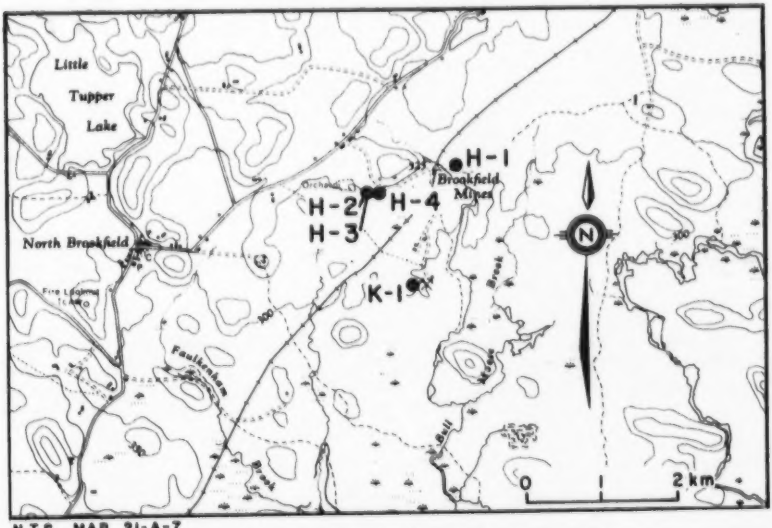
Strata	Thickness Ft.	Total Depth Ft.
Overburden	24.0	24.0
Sandstone and shale, grey and red	83.0	107.0
Shale, grey and black	60.0	167.0
Sandstone and shale, grey and black	175.0	342.0

Record No. 7296

Borehole No. 1-127 is located by Map Reference 21A/16D, Tract 87, Claim D.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	54.0	54.0
Anhydrite, grey	551.0	605.0
Sandstone and shale, grey	162.0	767.0
Shale, grey and black	25.0	792.0

Diamond Drill No. 9 was hired by Bakertale Inc. from September 29 to November 20, 1980 to drill five holes in Brookfield Mines, Queens County. The purpose of drilling was for gold. All holes are located on Map sheet 21A/7C (Fig. 11).



N.T.S. MAP 21-A-7

Figure 11. Brookfield Mines, Queens County.

Record No. 7297

Borehole No. H-1 is in Tract 32, Claim N. It is angled at 45° on bearing North.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	8.0	8.0
Quartzite, grey	142.0	150.0

Record No. 7298

Borehole No. H-2 is in Tract 33, Claim K. It is also angled at 45° on a bearing North.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	20.0	20.0
Quartzite, grey	107.0	127.0
White quartz with black schist and visible gold	2.0	129.0
Quartzite, grey	56.0	185.0

Record No. 7299

Borehole No. H-3 is in Tract 33, Claim K. It is angled at 60° on a bearing North.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	23.0	23.0
Quartzite	193.0	216.0

Record No. 7300

Borehole No. H-4 is in Tract 33, Claim K. It is angled at 45° on a bearing North.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	28.0	28.0
Quartzite, grey	55.0	83.0
Quartzite and slate, grey	43.0	126.0
Quartzite, grey	60.0	186.0

Record No. 7301

Borehole No. K-1 is in Tract 33, Claim A. It is angled at 45° on a bearing North.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	8.0	8.0
Quartzite, grey	195.0	203.0

Diamond Drill No. 18 was hired by Cuvier Mines Ltd. from November 18 to December 11, 1980, to drill a hole in Beaver Meadow, Antigonish County. The purpose of drilling was for potash. The total depth of the hole was 1124 feet. The hole is vertical and is located by Map Reference 11E/9A, Tract 55, Claim H (Fig. 12).

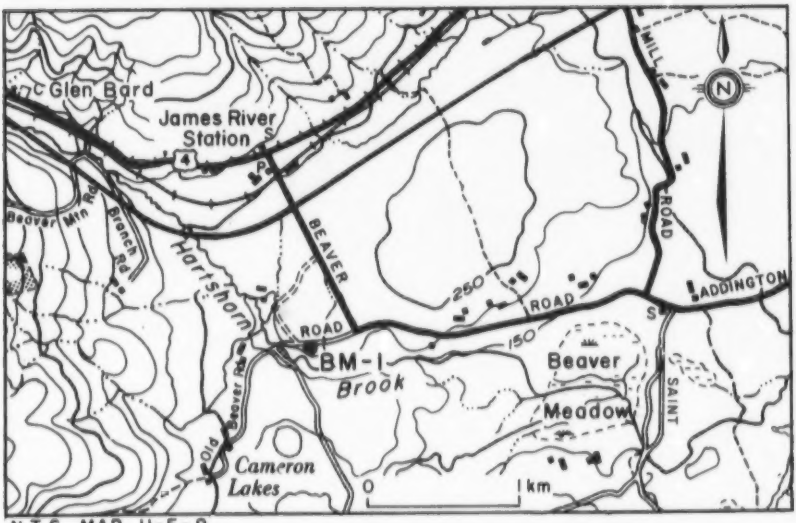


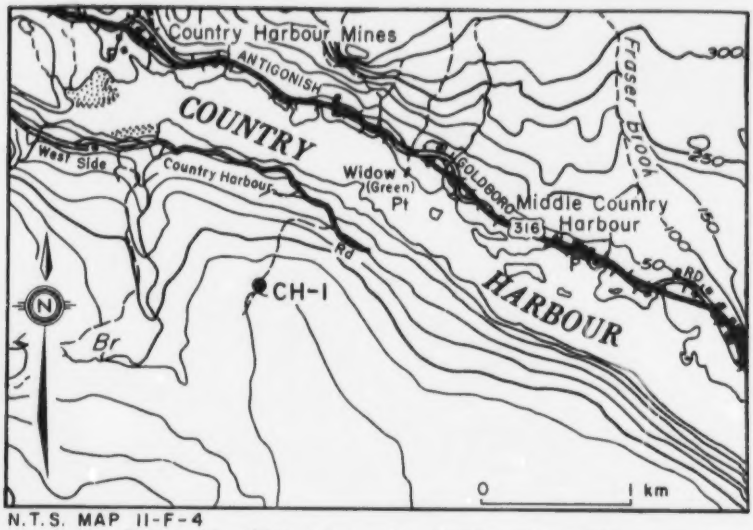
Figure 12. Beaver Meadow, Antigonish County.

Record No. 7302

Bo-ehole No. BM-1.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	44.0	44.0
Mudstone, red	90.0	134.0
Siltstone, red	200.0	334.0
Anhydrite, grey	190.0	524.0
Siltstone, grey	30.0	554.0
Shale, red and grey	200.0	754.0
Salt	10.0	764.0
Shale and salt, grey	80.0	844.0
Shale and anhydrite, grey	40.0	884.0
Anhydrite, grey	240.0	1124.0

Diamond Drill No. 16 was hired by M.E.X. Explorations Ltd. to drill a hole near Widow Point, Guysborough County. The drilling was done from October 29 to November 19, 1980. The purpose of drilling was for gold. The hole is angled at 45° on a bearing West. The hole is located by Map Reference 11F/4C, Tract 95, Claim N (Fig. 13).



N.T.S. MAP 11-F-4

Figure 13. Widow Point area, Guysborough County.

Record No. 7303

Borehole No. CH-1.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	10.0	10.0
Quartzite	62.0	72.0
Quartzite and schist	40.0	112.0
Schist and quartzite	40.0	152.0
Quartzite and schist	136.0	288.0

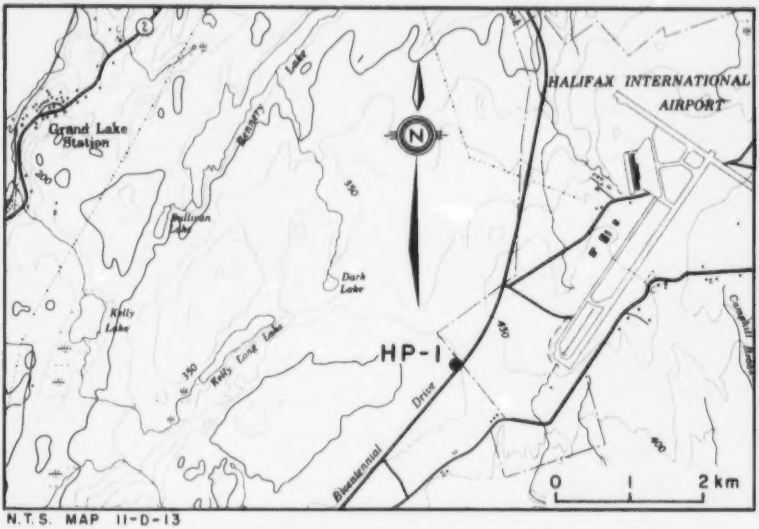
Diamond Drill No. 19 was hired by Conrad Bros. Ltd. from June 23 to June 26, 1980, to drill a hole near the Halifax International Airport. The purpose of drilling was for base metals. The hole is angled at 45° on a southerly bearing. The hole is located by Map Reference 11D/13A, Tract 98, Claim E (Fig. 14).

Record No. 7304

Borehole No. HP-1.

Strata	Thickness Ft.	Total Depth Ft.
Slate	145.0	145.0

Diamond Drill No. 19 was hired by Georgia Pacific Corporation from May 5 to June 19, 1980 to drill 39 holes in Big Brook, Inverness County. The purpose of drilling was to prove gypsum reserves. Total footage is 4264 feet. The holes are located on Map sheet 11F/14A, Tract 37, Claims JQ and Tract 38, Claims MN (Fig. 15).



N.T.S. MAP 11-D-13

Figure 14. Halifax International Airport, Halifax County.

Record No. 7305

Borehole No. 80-1.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	75.0	75.0
Gypsum	32.0	107.0
Anhydrite and gypsum	30.0	137.0

Record No. 7306

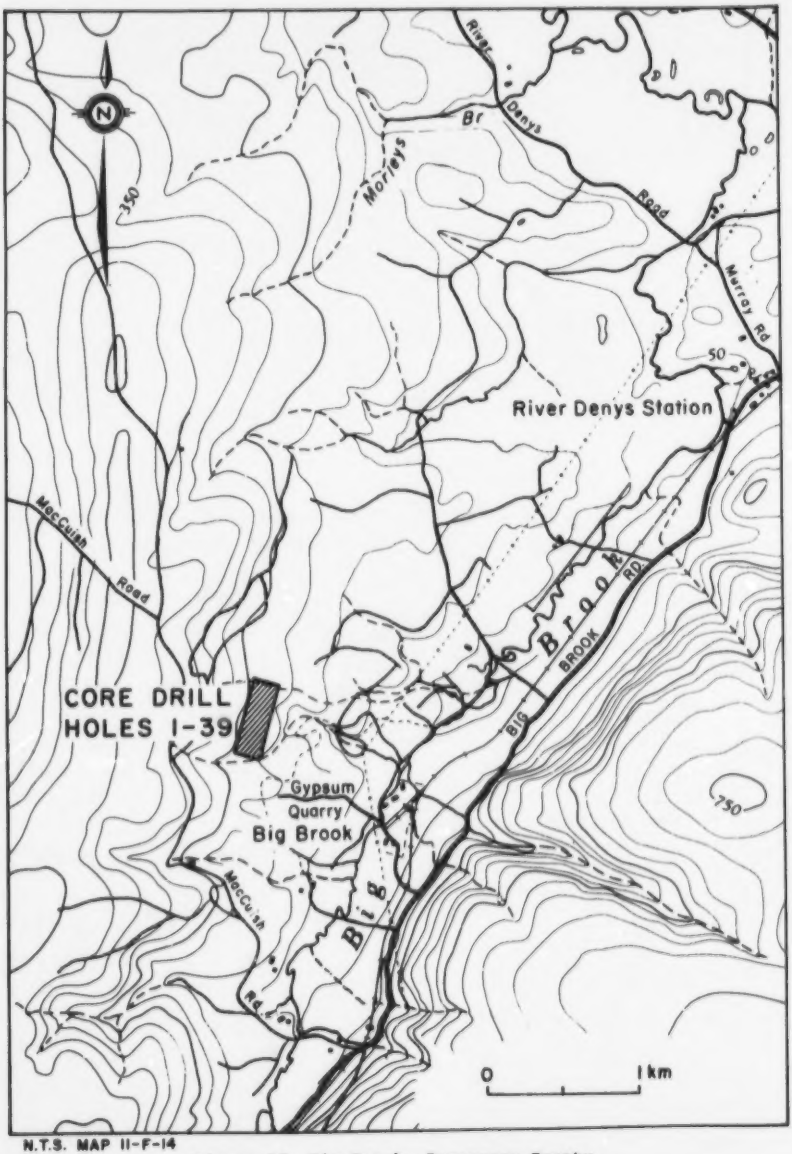
Borehole No. 80-2.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	62.0	62.0
Gypsum and anhydrite	65.0	127.0

Record No. 7307

Borehole No. 80-3.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	55.0	55.0
Gypsum and clay	10.0	65.0
Gypsum	31.0	96.0
Anhydrite	21.0	117.0



N.T.S. MAP 11-F-14

Figure 15. Big Brook, Inverness County.

Record No. 7308

Borehole No. 80-4.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	65.0	65.0
Gypsum	45.0	110.0
Anhydrite	7.0	117.0

Record No. 7309

Borehole No. 80-5.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	62.0	62.0
Gypsum	24.0	86.0
Anhydrite, 2 feet gypsum	21.0	107.0

Record No. 7310

Borehole No. 80-6.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	58.0	58.0
Gypsum and clay	9.0	67.0
Gypsum	42.0	109.0
Anhydrite	8.0	117.0

Record No. 7311

Borehole No. 80-7.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	27.0	27.0
Red and grey shale	90.0	117.0

Record No. 7312

Borehole No. 80-8.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	97.0	97.0

Record No. 7313

Borehole No. 80-9.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	65.0	65.0
Gypsum and clay	2.0	67.0
Gypsum	41.0	108.0
Anhydrite	9.0	117.0

Record No. 7314

Borehole No. 80-10.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	65.0	65.0
Gypsum and clay	28.0	93.0
Gypsum	15.0	108.0
Anhydrite	9.0	117.0

Record No. 7315

Borehole No. 80-11.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	70.0	70.0
Gypsum	29.0	99.0
Anhydrite	8.0	107.0

Record No. 7316

Borehole No. 80-12.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	45.0	45.0
Gypsum	45.0	90.0
Anhydrite	17.0	107.0

Record No. 7317

Borehole No. 80-13.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	51.0	51.0
Gypsum	42.0	93.0
Anhydrite	12.0	105.0

Record No. 7318

Borehole No. 80-14.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	20.0	20.0
Red and grey shale	77.0	97.0

Record No. 7319

Borehole No. 80-15.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	50.0	50.0
Gypsum	24.0	74.0
Anhydrite	13.0	87.0

Record No. 7320

Borehole No. 80-16.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	97.0	97.0

Record No. 7321

Borehole No. 80-17.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	48.0	48.0
Gypsum	32.0	80.0
Anhydrite	15.0	95.0

Record No. 7322

Borehole No. 80-18.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	107.0	107.0

Record No. 7323

Borehole No. 80-19.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	97.0	97.0

Record No. 7324

Borehole No. 80-20.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	97.0	97.0

Record No. 7325

Borehole No. 80-21.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	40.0	40.0
Gypsum, bands of clay	24.0	64.0
Anhydrite	6.0	70.0

Record No. 7326

Borehole No. 80-22.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	48.0	48.0
Gypsum	24.0	72.0
Anhydrite	12.0	84.0

Record No. 7327

Borehole No. 80-23.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	45.0	45.0
Grey shale	52.0	97.0

Record No. 7328

Borehole No. 80-24.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	40.0	40.0
Grey shale	57.0	97.0

Record No. 7329

Borehole No. 80-25.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	80.0	80.0
Gypsum	17.0	97.0
Anhydrite	10.0	107.0

Record No. 7330

Borehole No. 80-26.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	50.0	50.0
Gypsum	26.0	76.0
Anhydrite and gypsum	41.0	117.0

Record No. 7331

Borehole No. 80-27.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	44.0	44.0
Gypsum	30.0	74.0
Anhydrite and gypsum	23.0	97.0

Record No. 7332

Borehole No. 80-28.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	41.0	41.0
Gypsum and clay	66.0	107.0
Anhydrite	10.0	117.0

Record No. 7333

Borehole No. 80-29.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	55.0	55.0
Gypsum and clay	49.0	104.0
Anhydrite	13.0	117.0

Record No. 7334

Borehole No. 80-30.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	30.0	30.0
Red and grey shale	87.0	117.0
Anhydrite	100.0	217.0

Record No. 7335

Borehole No. 80-31.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	48.0	48.0
Gypsum	46.0	94.0
Anhydrite	13.0	107.0

Record No. 7336

Borehole No. 80-32.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	61.0	61.0
Gypsum	45.0	106.0
Anhydrite	11.0	117.0

Record No. 7337

Borehole No. 80-33.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	63.0	63.0
Gypsum	15.0	78.0
Anhydrite and gypsum	10.0	88.0
Anhydrite	13.0	101.0

Record No. 7338

Borehole No. 80-34.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	55.0	55.0
Gypsum	29.0	84.0
Anhydrite	7.0	91.0

Record No. 7339

Borehole No. 80-35.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	61.0	61.0
Gypsum	42.0	103.0
Anhydrite	24.0	127.0

Record No. 7340

Borehole No. 80-36.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	61.0	61.0
Gypsum	54.0	115.0
Anhydrite	22.0	137.0

Record No. 7341

Borehole No. 80-37.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	41.0	41.0
Gypsum	38.0	79.0
Anhydrite	28.0	107.0

Record No. 7342

Borehole No. 80-38.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	85.0	85.0
Gypsum	7.0	92.0
Anhydrite	2.0	94.0

Record No. 7343

Borehole No. 80-39.

Strata	Thickness Ft.	Total Depth Ft.
Overburden	97.0	97.0

APPENDIX I

RECORD OF DRILLHOLES

BY

RECORD NUMBER

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in Feet	Depth in Metres
7202	1980	Coal	Springhill, Cumberland County	423.0	
7203	1980	Coal	Springhill, Cumberland County	403.0	
7204	1980	Coal	Springhill, Cumberland County	700.0	
7205	1980	Coal	Springhill, Cumberland County	460.0	
7206	1980	Coal	Springhill, Cumberland County	782.0	
7207	1980	Coal	Springhill, Cumberland County	772.0	
7208	1980	Coal	Springhill, Cumberland County		254.8
7209	1980	Coal	Springhill, Cumberland County	802.0	
7210	1980	Coal	Springhill, Cumberland County		285.6
7211	1980	Coal	Springhill, Cumberland County	1006.0	
7212	1980	Coal	Springhill, Cumberland County	883.0	
7213	1980	Coal	Springhill, Cumberland County	190.0	
7214	1980	Coal	Springhill, Cumberland County	233.0	
7215	1980	Coal	Springhill, Cumberland County	153.0	
7216	1980	Coal	Springhill, Cumberland County	220.0	
7217	1980	Coal	Springhill, Cumberland County	450.0	
7218	1980	Coal	Thorburn, Pictou County		199.0
7219	1980	Coal	Sydney Mines, Cape Breton County	158.0	
7220	1980	Coal	Sydney Mines, Cape Breton County	212.0	
7221	1980	Coal	Sydney Mines, Cape Breton County	147.0	
7222	1980	Coal	Sydney Mines, Cape Breton County	163.0	
7223	1980	Coal	Sydney Mines, Cape Breton County	119.0	
7224	1980	Coal	Sydney Mines, Cape Breton County	92.0	
7225	1980	Coal	Sydney Mines, Cape Breton County	140.0	
7226	1980	Coal	Sydney Mines, Cape Breton County	132.0	
7227	1980	Coal	Sydney Mines, Cape Breton County	50.1	
7228	1980	Coal	Sydney Mines, Cape Breton County	51.0	
7229	1980	Coal	Sydney Mines, Cape Breton County	91.0	
7230	1980	Coal	Sydney Mines, Cape Breton County	100.0	
7231	1980	Coal	Point Aconi, Cape Breton County	103.0	
7232	1980	Coal	Point Aconi, Cape Breton County	142.0	

7233	1980	Coal	Point Aconi, Cape Breton County		31.0
7234	1980	Coal	Point Aconi, Cape Breton County		22.0
7235	1980	Coal	Point Aconi, Cape Breton County		22.0
7236	1980	Coal	Point Aconi, Cape Breton County		25.0
7237	1980	Coal	Point Aconi, Cape Breton County		25.0
7238	1980	Coal	Point Aconi, Cape Breton County		17.0
7239	1980	Coal	Point Aconi, Cape Breton County		13.0
7240	1980	Coal	Point Aconi, Cape Breton County		19.0
7241	1980	Coal	Glace Bay, Cape Breton County	52.0	
7242	1980	Coal	Glace Bay, Cape Breton County		17.0
7243	1980	Coal	Glace Bay, Cape Breton County		13.0
7244	1980	Coal	Glace Bay, Cape Breton County		16.0
7245	1980	Coal	Glace Bay, Cape Breton County		12.7
7246	1980	Coal	Glace Bay, Cape Breton County		17.3
7247	1980	Coal	Glace Bay, Cape Breton County		17.0
7248	1980	Coal	Glace Bay, Cape Breton County	65.0	
7249	1980	Coal	Glace Bay, Cape Breton County	52.0	
7250	1980	Coal	Victoria Mines, Cape Breton County		27.8
7251	1980	Coal	Victoria Mines, Cape Breton County		30.8
7252	1980	Coal	Victoria Mines, Cape Breton County		21.8
7253	1980	Coal	Victoria Mines, Cape Breton County		18.8
7254	1980	Coal	Victoria Mines, Cape Breton County		44.0
7255	1980	Coal	Victoria Mines, Cape Breton County		24.8
7256	1980	Coal	Port Morien, Cape Breton County		41.0
7257	1980	Coal	Port Morien, Cape Breton County		21.8
7258	1980	Coal	Port Morien, Cape Breton County		34.0
7259	1980	Coal	Port Morien, Cape Breton County		40.0
7260	1980	Coal	Port Morien, Cape Breton County		22.0
7261	1980	Coal	Port Morien, Cape Breton County		42.8
7262	1980	Coal	Port Morien, Cape Breton County		21.8
7263	1980	Coal	Port Morien, Cape Breton County		43.0
7264	1980	Coal	Port Morien, Cape Breton County		40.3
7265	1980	Coal	Port Morien, Cape Breton County		18.0
7266	1980	Coal Dump	Stellarton, Pictou County		6.5
7267	1980	Coal Dump	Stellarton, Pictou County		9.5
7268	1980	Coal Dump	Stellarton, Pictou County		5.0
7269	1980	Coal Dump	Stellarton, Pictou County		5.0

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in Feet	Depth in Metres
7270	1980	Coal Dump	Stellarton, Pictou County		6.0
7271	1980	Coal Dump	Stellarton, Pictou County		5.0
7272	1980	Coal Dump	Stellarton, Pictou County		4.5
7273	1980	Coal Dump	Stellarton, Pictou County		1.2
7274	1980	Coal Dump	Stellarton, Pictou County		4.0
7275	1980	Coal Stockpile	Trenton, Pictou County	31.0	
7276	1980	Coal Stockpile	Trenton, Pictou County	30.0	
7277	1980	Coal Stockpile	Trenton, Pictou County	32.0	
7278	1980	Coal Stockpile	Trenton, Pictou County	20.0	
7279	1980	Coal Stockpile	Trenton, Pictou County	20.0	
7280	1980	Coal Stockpile	Trenton, Pictou County	18.0	
7281	1980	Structure	Sydney Mines, Cape Breton County	381.0	
7282	1980	Structure	Sydney Mines, Cape Breton County	404.0	
7283	1980	Structure	Sydney Mines, Cape Breton County	337.0	
7284	1980	Structure	Sydney Mines, Cape Breton County		68.9
7285	1980	Structure	Sydney Mines, Cape Breton County		116.0
7286	1980	Structure	Granton, Pictou County	18.0	
7287	1980	Structure	Granton, Pictou County	14.0	
7288	1980	Structure	Granton, Pictou County	78.0	
7289	1980	Structure	Granton, Pictou County	20.0	
7290	1980	Structure	Granton, Pictou County	68.0	
7291	1980	Structure	Granton, Pictou County	16.0	
7292	1980	Uranium	Windsor, Hants County	477.0	
7293	1980	Uranium	Windsor, Hants County	542.0	
7294	1980	Uranium	Windsor, Hants County	497.0	
7295	1980	Uranium	Windsor, Hants County	342.0	
7296	1980	Uranium	Windsor, Hants County	792.0	
7297	1980	Gold	Brookfield Mines, Queens County	150.0	
7298	1980	Gold	Brookfield Mines, Queens County	185.0	
7299	1980	Gold	Brookfield Mines, Queens County	216.0	
7300	1980	Gold	Brookfield Mines, Queens County	186.0	

7301	1980	Gold	Brookfield Mines, Queens County	203.0
7302	1980	Potash	Beaver Meadow, Antigonish County	1124.0
7303	1980	Gold	Widow Point, Guysborough County	288.0
7304	1980	Base Metals	Kellys Lake, Halifax County	145.0
7305	1980	Gypsum	Big Brook, Inverness County	137.0
7306	1980	Gypsum	Big Brook, Inverness County	127.0
7307	1980	Gypsum	Big Brook, Inverness County	117.0
7308	1980	Gypsum	Big Brook, Inverness County	117.0
7309	1980	Gypsum	Big Brook, Inverness County	107.0
7310	1980	Gypsum	Big Brook, Inverness County	117.0
7311	1980	Gypsum	Big Brook, Inverness County	117.0
7312	1980	Gypsum	Big Brook, Inverness County	97.0
7313	1980	Gypsum	Big Brook, Inverness County	117.0
7314	1980	Gypsum	Big Brook, Inverness County	117.0
7315	1980	Gypsum	Big Brook, Inverness County	107.0
7316	1980	Gypsum	Big Brook, Inverness County	107.0
7317	1980	Gypsum	Big Brook, Inverness County	105.0
7318	1980	Gypsum	Big Brook, Inverness County	97.0
7319	1980	Gypsum	Big Brook, Inverness County	87.0
7320	1980	Gypsum	Big Brook, Inverness County	97.0
7321	1980	Gypsum	Big Brook, Inverness County	95.0
7322	1980	Gypsum	Big Brook, Inverness County	107.0
7323	1980	Gypsum	Big Brook, Inverness County	97.0
7324	1980	Gypsum	Big Brook, Inverness County	97.0
7325	1980	Gypsum	Big Brook, Inverness County	70.0
7326	1980	Gypsum	Big Brook, Inverness County	84.0
7327	1980	Gypsum	Big Brook, Inverness County	97.0
7328	1980	Gypsum	Big Brook, Inverness County	97.0
7329	1980	Gypsum	Big Brook, Inverness County	107.0
7330	1980	Gypsum	Big Brook, Inverness County	117.0
7331	1980	Gypsum	Big Brook, Inverness County	97.0
7332	1980	Gypsum	Big Brook, Inverness County	117.0
7333	1980	Gypsum	Big Brook, Inverness County	117.0
7334	1980	Gypsum	Big Brook, Inverness County	217.0
7335	1980	Gypsum	Big Brook, Inverness County	107.0
7336	1980	Gypsum	Big Brook, Inverness County	117.0
7337	1980	Gypsum	Big Brook, Inverness County	101.0

Record of Boring	Date of Boring	Object of Boring	Location of Borehole	Depth in Feet	Depth in Metres
7338	1980	Gypsum	Big Brook, Inverness County	91.0	
7339	1980	Gypsum	Big Brook, Inverness County	127.0	
7340	1980	Gypsum	Big Brook, Inverness County	137.0	
7341	1980	Gypsum	Big Brook, Inverness County	107.0	
7342	1980	Gypsum	Big Brook, Inverness County	94.0	
7343	1980	Gypsum	Big Brook, Inverness County	97.0	

APPENDIX II

RECORD OF DRILLHOLES

BY

CLAIM MAP

RECORD OF DRILLHOLES BY CLAIM MAP

CLAIM MAP 11D/13A

Location of Drillhole(s): Kellys Lake, Halifax County
Drilling Objective: Base Metals

Tract 98 Claim(s) E Record Number(s) 7304

CLAIM MAP 11E/9A

Location of Drillhole(s): Beaver Meadow, Antigonish County
Drilling Objective: Potash

Tract 55 Claim(s) H Record Number(s) 7302

CLAIM MAP 11E/10A

Location of Drillhole(s): Granton, Pictou County
Drilling Objective: Testing for Landfill Site

Tract 86 Claim(s) J Record Number(s) 7286

Tract 87 Claim(s) L,C,K Record Number(s) 7287 to 7291

Location of Drillhole(s): Stellarton, Pictou County
Drilling Objective: Testing Coal Dump

Tract 65 Claim(s) D Record Number(s) 7266 to 7274

Location of Drillhole(s): Thorburn, Pictou County
Drilling Objective: Coal

Tract 46 Claim(s) N Record Number(s) 7218

Location of Drillhole(s): Trenton, Pictou County
Drilling Objective: Testing Coal Stockpile

Tract 104 Claim(s) J Record Number(s) 7275 to 7280

CLAIM MAP 11F/4C

Location of Drillhole(s): Widow Point, Guysborough County
Drilling Objective: Gold

Tract 95 Claim(s) N Record Number(s) 7303

CLAIM MAP 11F/14A

Location of Drillhole(s): Big Brook, Inverness Coounty
Drilling Objective: Gypsum

Tract 37 Claim(s) J,Q
Tract 38 Claim(s) M,N
Record Number(s) 7305 to 7343

CLAIM MAP 11J/4B

Location of Drillhole(s): Port Morien, Cape Breton County
Drilling Objective: Coal

Tract 104	Claim(s)	E,M	Record Number(s) 7264, 7265
Tract 105	Claim(s)	D,E,F	Record Number(s) 7261 to 7263
Tract 106	Claim(s)	A,C,F,G,H	Record Number(s) 7256 to 7260

CLAIM MAP 11K/1C

Location of Drillhole(s): Sydney Mines, Cape Breton County
Drilling Objective: Coal

Tract 97	Claim(s)	P	Record Number(s) 7224

CLAIM MAP 11K/1D

Location of Drillhole(s): Glace Bay, Cape Breton County
Drilling Objective: Coal

Tract 51	Claim(s)	D,F,M,N	Record Number(s) 7242 to 7249
Tract 70	Claim(s)	D	Record Number(s) 7241

Location of Drillhole(s): Victoria Mines, Cape Breton County
Drilling Objective: Coal

Tract 89	Claim(s)	O,P,Q	Record Number(s) 7250 to 7255

CLAIM MAP 11K/6D

Location of Drillhole(s) : Sydney Mines, Cape Breton County
Drilling Objective: Structure

Tract 86	Claim(s)	O	Record Number(s) 7281 to 7285

CLAIM MAP 11K/8B

Location of Drillhole(s): Point Aconi, Cape Breton County
Drilling Objective: Coal

Tract 46	Claim(s)	K,L,O	Record Number(s) 7231, 7232, 7234, 7240
Tract 51	Claim(s)	D	Record Number(s) 7233

Location of Drillhole(s): Sydney Mines, Cape Breton County
Drilling Objective: Coal

Tract 1	Claim(s)	B,C,F,Q	Record Number(s)	7223, 7225 to 7228
Tract 24	Claim(s)	B,C	Record Number(s)	7229 to 7230
Tract 26	Claim(s)	C,D,E,F	Record Number(s)	7219 to 7222

CLAIM MAP 21A/7C

Location of Drillhole(s): Brookfield Mines, Queens County
Drilling Objective: Gold

Tract 32	Claim(s)	N	Record Number(s)	7297
Tract 33	Claim(s)	A,K	Record Number(s)	7298 to 7301

CLAIM MAP 21A/16D

Location of Drillhole(s): Windsor, Hants County
Drilling Objective: Uranium

Tract 106	Claim(s)	O	Record Number(s)	7295
Tract 87	Claim(s)	D	Record Number(s)	7296

CLAIM MAP 21H/1A

Location of Drillhole(s): Windsor, Hants County
Drilling Objective: Uranium

Tract 10	Claim(s)	G	Record Number(s)	7292, 7293
Tract 33	Claim(s)	L	Record Number(s)	7294

CLAIM MAP 21H/9A

Location of Drillhole(s): Springhill, Cumberland County
Drilling Objective: Coal

Tract 3	Claim(s)	C,D,	Record Number(s)	7202 to 7203
		F,G		7213 to 7217
		A		7207
		M,N		7204 to 7206
		M,N		7208 to 7209
		J,P,Q		7210 to 7212